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directional radiation ratio of total counts

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[Directional radiation detector and imager - US Patent 5665970 ...](#)

It is often desirable to determine the **direction** of a **radiation** source, e.g., The **ratio counts** for each element relative to those for the lowest Z material ... from the back emitter produce the effective number of **total counts** ...

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[Neutron/gamma ray survey instrument with **directional** gamma ray ...](#)

Directional radiation response capabilities are typically obtained with **radiation** only the **ratio R**. The situation is resolved by using the **total** gamma ray **count** ... To summarize, a first **total count** rate reading is noted with the ...

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[AN UP-DOWN COUNTER FOR BACKGROUND COMPENSATION - Patent 3666953](#)

An alarm is activated if the contamination to background **ratio** exceeds the minimum allowable. ... An alarm or signal is activated if the **total** of background and ... The up-down counter can be any suitable two **directional** digital counter. ... In employing the present invention, the background **radiation count** ...

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by JW Lawrence - 1972 - All 4 versions

[Methods of **directional** detection of gamma radiation](#)

The distinctive features of a **directional radiation** counter are best shown by a ... improved signal-to-background **ratio**. In fact, the root-mean-square ential counting unit, which are determined by the **total** error in both channels: ... In the compensating channel, the number of **counts** per second is given by n_2 ...

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[The **ratio** of K characteristic to **total** radiation emitted from a ...](#)

within the analyser channel, while the **total** maximum **count** rate was **Ratio** of characteristic **radiation** in pass band to **total radiation** in ... Further measurements were made with the x-ray tube tilted 20" in either **direction** to vary ...

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Presented at Penetrating **Radiation** Systems and Applications VI1 ... scattering angle of each incident neutron is calculated from the **ratio** of the energy array, the **total count** rate is 900 cps, so the net signal is approximately ...

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[Automated Sequential Search for Weak Radiation Sources](#)

against the cost of moving along each particular **direction** For the probability **ratio kk** in location k, the condition $kk \leq$ **Radiation** measurements. Fig. 5. Time vs **Total Counts** obtained at the end of each sampling period. ...

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The sensitivity for a particular slice is calculated as the **ratio of total** sensitivity to the fraction of **total counts** contained in that slice when the ...
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On the **radiation damage effects** in semiconductors beyond the end ...

10 µm below the surface of both targets in the channeling **direction** (with the ... The z-axis corresponds to the **ratio of total** integrated **counts** of the ...
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Radiation Protection Training Manual and Study Guide

The channels **ratio** method of determining counter efficiency is based on the fact that the **radiation** are relatively low because the Cerenkov light is highly **directional**. ... In 10 minutes, the background yields 250 **total counts**. ...
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